Bioresource Technology **43** (1993) 278–280

CONTENTS OF VOLUME 43

Number 1

Olive oil mill effluent (OOME). New substrate for biosurfactant production 1
M. E. MERCADÉ, M. A. MANRESA, M. ROBERT, M. J. ESPUNY, C. DE ANDRÉS & J. GUINEA (Spain)

Can fuel-based energy production meet the challenge of fighting global warming — a chance for biomass and cogeneration? 7
KAI SIPILÄ, ALLAN JOHANSSON & KARI SAVIHARJU (Finland)

Effect of radiation pretreatment on enzymatic hydrolytsis of rice straw with low concentrations of alkali solution 13
LU ZHAO XIN (People's Republic of China) & MINORU KUMAKURA (Japan)

Optimization of a culture medium for streptomycin production using response-surface methodology 19
S. SAVAL, L. PABLOS & S. SANCHEZ (Mexico)

Natural zeolites and sepiolite as ammonium and ammonia adsorbent materials . . . 27
M. P. BERNAL & J. M. LOPEZ-REAL (UK)

Application of natural zeolites for the reduction of ammonia emissions during the composting of organic wastes in a laboratory composting simulator 35
M. P. BERNAL, J. M. LOPEZ-REAL & K. M. SCOTT (UK)

Soil denitrification rates at wastewater irrigation sites receiving primary-treated and anaerobically-treated meat-processing effluent 41
J. M. RUSSELL, R. N. COOPER & S. B. LINDSEY (New Zealand)

Temperature-dependency of nitrification and required anoxic volume for denitrification in the biological treatment of veal calf manure 47
H. C. WILLERS, P. J. W. TEN HAVE, P. J. L. DERIKX & M. W. ARTS (The Netherlands)

The carrying capacity of cattle utilizing agricultural wastes in a small Chinese village . . 53
STEWART ODEND'HAL (USA)

Microbial biomass recovery using a synthetic cationic polymer 59
BENJAMIN PUSHPARAJ, ELIO PELOSI, GIUSEPPE TORZILLO & RICCARDO MATERASSI (Italy)

A note on the binding of nickel and copper ions by cellulosic materials 63
OMAR B. SAID, MARLINE B. SHALMOR & J. N. EGILA (Nigeria)

Protein production for human use from sugarbeet: byproducts 67
E. W. JWANNY (Egypt), L. MONTANARI & P. FANTOZZI (Italy)

Temperate zone sweet sorghum ethanol production potential 71
G. A. SMITH & D. R. BUXTON (USA)

Solubilization of cellulose by mesophilic cellulolytic clostridia isolated from a municipal solid-waste digester 77
C. CAILLIEZ, L. BENOIT, E. GELHAYE, H. PETITDEMAGE & G. RAVAL (France)

Plant quality and soil residual fertility six years after a compost treatment 85
L. ALLIEVI, A. MARCHESINI, C. SALARDI, V. PIANO & A. FERRARI (Italy)

Book Reviews 91

Calendar of Events 93

Number 2

Fungal biomass production on waste leather chharri and possible utilisation for feed supplement 95
S. K. MATHUR, ANILA MATHUR, SUBIR BARNIE & RAHUL KULSHRESHTHA (India)
A decentralized approach for biocoal production in a mud kiln 99
J. B. KANDPAL & R. C. MAHESHWARI (India)
Evaluation of saw palmetto for biomass potential 103
W. D. PITMAN (USA)
Ultimate anaerobic biodegradability of some agro-industrial residues 107
H. KANG (Korea) & P. WEILAND (Germany)
Paper from kenaf fibre 113
JOSEPH ADEOLA FUWAPE (UK)
Characterization of microbial biomasses and amylolytic preparations obtained from mussel processing waste treatment 117
M. A. MURADO, M. I. G. SISO, M. P. GONZALEZ, M. I. MONTEMAYOR, L. PASTRANA & J. PINTADO (Spain)
Interaction of different sources of water and duration of consumption on replacement chickens at the grower phase 127
O. I. A. SHOREMI, T. E. EKPENYONG & M. K. C. SHIDHAR (Nigeria)
Thermophilic anaerobic digestion of alcohol distillery wastewaters 131
A. VLISSIDIS & A. I. ZOUBOULIS (Greece)
Changes in organic matter during stabilization of compost from municipal solid wastes . 141
C. CIAVATTA, M. GOVI, L. PASOTTI & P. SEQUI (Italy)
Evaluation of heavy metals during stabilization of organic matter in compost produced with municipal solid wastes 147
C. CIAVATTA, M. GOVI, A. SIMONI & P. SEQUI (Italy)
Membrane concentration of fungal cellulases 155
J. CARLOS ROSEIRO, ALEXANDRA C. CONCEIÇÃO & M. T. AMARAL-COLLAÇO (Portugal)
Microbial biomass and C and N mineralization in forest soils 161
M. DÍAZ-RAVIÑA, M. J. ACEA & T. CARBALLAS (Spain)
Anaerobic digestion of baker's yeast factory effluent using and anaerobic filter and a hybrid digester 169
M. VAN DER MERWE & T. J. BRITZ (South Africa)

Short Communications
Fish-meal waste as an attractant for economically important flies of agricultural crops . 175
S. MOHAN, M. GOPALAN & V. V. SREENARAYANAN (India)
Effects of different binders on properties of particle board from cotton seed hulls with emphasis on water repellency 177
R. M. GURJAR (India)

Calendar of Events 179

Number 3

Production of diacetyl reductase by *Geotrichum candidum* from sauerkraut brine . . 181
Y. D. HANG & E. E. WOODAMS (USA)
Solvolysis of lignocellulose by anhydrous hydrogen flouride vapor: yield comparisons from four cellulosic substrates 185
G. L. RORRER & M. C. HAWLEY (USA)
Propionic to acetic acid ratios in overloaded anaerobic digestion 195
U. MARCHAIM & C. KRAUSE (Israel)
Influence of waste organic matter on soil micro- and macrostructure 205
M. PAGLIAI & L. VITTORI ANTISARI (Italy)

The biological purification of waste products from olive oil extraction 215
L. MARTINEZ NIETO, S. E. GARRIDO HOYOS, F. CAMACHO RUBIO, M. P. GARCIA PAREJA & A. RAMOS CORMENZANA (Spain)
Effects of the extractants on the characteristics of a humic fertilizer obtained from lignite 221
D. GARCIA, J. CEGARRA, M. ABAD & F. FORNES (Spain)
Temperature susceptibility of thermophilic methanogenic sludge: implications for reactor start-up and operation. 227
J. B. VAN LIER, J. HULSBEEK, A. J. M. STAMS & G. LETTINGA (The Netherlands)
Fermentative and nutritive changes during artichoke (*Cynara scolymus* L.) by-product ensilage 237
M. DOLORES MEGAS, A. MARTINEZ-TERUEL, J. A. GALLEGO & P. OLIVER (Spain)
Untreated and delignified cotton stalks as model substrates for degradation and utilization of cell-wall monosaccharide components by defined ruminal cellulolytic bacteria 241
J. MIRON & D. BEN-GHEDALIA (Israel)
The effect of liquid upward velocity and hydraulic retention time on granulation in UASB reactors treating wastewater with a high sulphate content 249
P. A. ALPHENAAR, A. VISSER & G. LETTINGA (The Netherlands)
Agglomeration of alumina sand in a fluidized bed straw gasifier at elevated temperatures 259
A. ERGUDENLER & A. E. GHALY (Canada)

Short Communication

Evidence for muscat marc monoterpenol glucosides hydrolysis by free or immobilized yeast β-glucosides 269
Y. VASSEROT, A. ARNAUD & P. GALZY (France)

Book Review

Advances in Biological Treatment of Lignocellulosic Materials. Eds M. P. Caughlan and M. T. Amara Collaço. Elsevier Applied Science, London 273
(Reviewed by T. M. Wood)

Announcement 275
Calendar of Events 276
Contents of Volume 43 278